## Amendments to the claims:

2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (currently amended) The current collector according to claim 4 1, wherein the reticulated carbon substrate includes a reticulated vitreous carbon.
6. (previously amended) The current collector according to claim 5, wherein the vitreous carbon includes about 20 to 30 pores per inch.
7. (cancelled)
8. (cancelled)
9. (cancelled)
10. (currently amended) The current collector according to claim 1, further comprising a frame mountable in a battery attached to an outer edge of the reticulated carbon substrate.
11. (previously amended) The current collector according to claim 1, wherein the tin content of the alloy includes about 0.2% to 3% by weight of the alloy.

1. (currently amended) A current collector for use in batteries, comprising:

a reticulated <u>carbon</u> substrate having surfaces defining circuitous pores; and

a layer of a lead-tin containing alloy applied to the surfaces reticulated carbon substrate.

- 12. (previously amended) The current collector according to claim 1, wherein the tin content of the alloy includes about 0.5% to 2% by weight of the alloy.
- 13. (currently amended) The current collector according to claim 1, wherein the surface area of the surfaces reticulated carbon substrate includes about 500 to 20,000 square meters per cubic meter of the reticulated substrate.
- 14. (currently amended) The current collector according to claim 1, wherein the thickness of the layer of the lead-tin containing alloy includes about 20 to 2,000 microns.
- 15. (cancelled)
- 16. (cancelled)
- 17. (currently amended) An electrode for use in lead-acid batteries, comprising:
  - a reticulated <u>carbon</u> substrate having <del>surfaces defining</del> circuitous pores;
  - a layer of lead-tin alloy deposited on the surfaces substrate; and
  - a layer of a lead-containing paste on the layer of the lead-tin alloy.
- 18. (cancelled)
- 19. (cancelled)
- 20. (currently amended) A battery, comprising:
  - a housing;
- a pair of electrodes fixed within the housing, each of the electrodes having a reticulated <u>carbon</u> substrate <u>having surfaces defining with</u> circuitous pores, a layer of a metal alloy applied to the <u>surfaces substrate</u>, and an active material <u>eoating applied to</u> at least a portion of the metal alloy;

an electrolyte contacting the electrodes and bridging the space between them; and

terminal connections connected to the electrodes.

us 1 - 1 -

21. (withdrawn)
22. (withdrawn)
23. (withdrawn)
24. (withdrawn)
25. (withdrawn)
26. (withdrawn)
27. (currently amended) The current collector according to claim 1, wherein the reticulated <u>carbon</u> substrate comprises a conductive material.
28. (currently amended) The current collector electrode according to claim 17, wherein the paste includes lead oxide.
29. (currently amended) The eurrent collector electrode according to claim 17, wherein the paste includes lead sulfate and lead oxide.
30. (currently amended) The current collector electrode of claim 17, wherein the paste includes lead sulfate.
31. (currently amended) The electrode according to claim 17, wherein the reticulated <u>carbon</u> substrate includes vitreous carbon.